JANUARY 2020 **FEDERAL PROJECT** STATE PROJECT ORDER OF SHEETS STATE OF WISCONSIN PROJECT CONTRACT PROJECT 9545-00-71 **DEPARTMENT OF TRANSPORTATION** Section No. Typical Sections and Details ä PLAN OF PROPOSED IMPROVEMENT 9545-00-71 T RIB LAKE, BERRY AVENUE **SPIRIT RIVER BRIDGE P600024 LOCAL STR** 22 TOTAL SHEETS = **TAYLOR** STATE PROJECT NUMBER 9545-00-71 STRUCTURE P-60-0024 STA 9+87.2 - STA 10+12.8 R-2-E - R-3-E PROJECT LOCATION -**END PROJECT** TAYLOR COUNTY STA 10+16 Y=423,023.78 X=703,292.17 ACCEPTED FOR TOWN OF RIB LAKE **DESIGN DESIGNATION** A.A.D.T. 1983 BLAR A.A.D.T. 2023 BEAR AVE = N/A D.H.V. ORIGINAL PLANS PREPARED BY = N/A D.D. **BEGIN PROJECT** = N/A SCONS/ STA 9+79 DESIGN SPEED = N/A Y=423,034.41 = N/A **ESALS** X=703,256,73 SOUR FRIBERG E-43328 CONVENTIONAL SYMBOLS RICE LAKE **PROFILE** CORPORATE LIMITS GRADE LINE ORIGINAL GROUND PROPERTY LINE MARSH OR ROCK PROFILE (To be noted as such) LIMITED HIGHWAY EASEMENT SPECIAL DITCH EXISTING RIGHT OF WAY STATE OF WISCONSIN **GRADE ELEVATION** PROPOSED OR NEW R/W LINE **DEPARTMENT OF TRANSPORTATION** CULVERT (Profile View) SLOPE INTERCEPT PREPARED BY UTILITIES REFERENCE LINE COOPER ENGINEERING ELECTRIC COOPER ENGINEERING EXISTING CULVERT FIBER OPTIC MATTHEW VAN NATTA PROPOSED CULVERT GAS SANITARY SEWER COMBUSTIBLE FLUIDS LAYOUT STORM SEWER HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN TELEPHONE SCALE COORDINATE REFERENCE SYSTEM (WISCRS), MARSH AREA NAD83 (2011), IN U.S. SURVEY FEET, POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES UTILITY PEDESTAL TOTAL NET LENGTH OF CENTERLINE = 0.007 MILES ARE THE SAME AS GROUND DISTANCES. ELEVATIONS ARE REFERENCED POWER POLE Ġ TO NAVD 88 (2011). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 12A. WOODED OR SHRUB AREA TELEPHONE POLE FILE NAME: G:\2018-PROJ\18258210\C3D\SHEETSPLAN\010101 TLDWG 7/9/2019 8:46 AM

WISDOT/CADDS SHEET 42

LIST OF STANDARD ABBREVIATIONS

BUT	ABUTMENT	
C.	ACRES	LT.
.GG	AGGREGATE	LS
ιH	AHEAD	MH
DT	AVERAGE DAILY TRAFFIC	N
		NC
VG.	AVERAGE	PAV
SPH	ASPHALTIC	PC
K.	BACK	PE
M	BENCHMARK	PI
7	CENTRAL ANGLE OR DELTA	PL
	CENTERLINE	PP
., c/L : & G	CURB AND GUTTER	PT
ABC	CRUSHED AGGREGATE	R
	BASE COURSE	RCCI
ONC.	CONCRETE	
		RD
OR	CORNER	REBA
ORR	CORRUGATED	REQ
SCP	CORRUGATED STEEL	RDW
CD.4	CULVERT PIPE	RHF
SPA	CORRUGATED STEEL	RL, F
	PIPE ARCH	RR
TH	COUNTY TRUNK HIGHWAY	RT.
P.	CULVERT PIPE	R/W
Y	CUBIC YARD	S
WT. NA	HUNDREDWEIGHT DIAMETER	SAN
)	DEGREE OF CURVE	SDD SE
HV	DESIGN HOURLY VOLUME	SF.
WY	DRIVEWAY	SHLI
BS	EXC. BELOW SUB GRADE	SPEC
LEV., EL	ELEVATION	SQ.
LEC.	ELECTRIC	SS.
XC	EXCAVATION	SY.
XIST	EXISTING	STH
	EAST	ST.
E	FIELD ENTRANCE	STA.
F	FACE TO FACE	SW
L, F/L	FLOW LINE	T TC
:S	FULL SUPERELEVATION GARAGE	Τ,
i in	GRID NORTH	TEL
4	HOUSE	TEM
'	HOUSE	TLE
		TYP
HYD	HYDRANT	USH
	INTERSECTION ANGLE	UG
NTERS	INTERSECTION	V
NV.	INVERT	VAR
Р	IRON PIN OR PIPE	VER ⁻
.C	LONG CHORD OF CURVE	YD

LINEAR FOOT

LHF

LEET HAND FORWARD

LENGTH OF CURVE

LT. LEFT
LS LUMP SUM
MH MANHOLE
N NORTH

N NORTH
NC NORMAL CROWN
PAVT PAVEMENT
PC POINT OF CURVATURE
PE PRIVATE ENTRANCE
PI POINT OF INTERSECTION

PL PROPERTY LINE
PP POWER POLE
PT POINT OF TANGENCY
R RANGE , RADIUS
RCCP REINFORCED CONCRETE
CULVERT PIPE

D ROAD EBAR REINFORCE

R REINFORCEMENT BAR REQUIRED ' ROADWAY

HF RIGHT HAND FORWARD
L, R/L REFERENCE LINE
R RAILROAD
T. RIGHT
/W RIGHT-OF-WAY
SOUTH

SAN S SANITARY SEWER
SDD STANDARD DETAIL DRAWING
SE SUPER ELEVATION
SF. SQUARE FEET
SHUDR
SPECS SPECIFICATIONS

SQ. SQUARE
SS. STORM SEWER
SY. SQUARE YARD
STH STATE TRUNK HIGHWAY
ST. STREET
STA. STATION

TAL. STATION

W SIDEWALK

TANGENT
C TOP OF CURB
L, T/L TRANSIT LINE

EL TELEPHONE
EMP TEMPORARY

TEMPORARY LIMITED EASEMENT TYPICAL UNITED STATES HIGHWAY

UG UNDERGROUND
V DESIGN SPEED
VAR. VARIABLE
VERT VERTICAL
YD YARD

YD

UTILITY CONTACTS

ELECTRIC

PRICE ELECTRIC COOPERATIVE
BEN ORYSEN
W6803 SPRINGS DRIVE
PHILLIPS, WI 54555
PHONE: (715) 339-2155
EMAIL: borysen@price-electric.com

ALL UTILITIES LISTED ARE MEMBERS OF DIGGERS HOTLINE



OTHER CONTACTS

DESIGN CONSULTANT

COOPER ENGINEERING JACOB FRIBERG 2600 COLLEGE DRIVE RICE LAKE, WI 54868 PHONE: (715) 234-7008

EMAIL: jfriberg@cooperengineering.net

TOWN CHAIRMAN

TOWN OF RIB LAKE
JOE KNORN
W2382 STH 102
RIB LAKE, WI 54470
PHONE: (715) 427-3346
EMAIL: townofriblake@yahoo.com

in the control band yarrootoo.

WDNR REGIONAL CONTACT

WDNR/WISDOT LIAISON
WENDY HENNIGES
107 SUTLIFF AVENUE
RHINELANDER, WI 54501
PHONE: (715) 365-8916
EMAIL: Wendy.Henniges@wisconsin.gov

GENERAL NOTES:

NO TREES OR SHRUBS SHALL BE REMOVED UNLESS SUCH TREES OR SHRUBS HAVE BEEN DESIGNATED FOR REMOVAL BY THE ENGINEER.

ACCESS TO ALL RESIDENCES & SIDE ROADS SHALL BE MAINTAINED DURING CONSTRUCTION.

THE LOCATION OF EXISTING UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOW SHOWN.

THE CONTRACTOR SHALL NOTIFY DIGGERS HOTLINE AND AFFECTED UTILITIES PRIOR TO THE START OF WORK. ANY UTILITY WHICH IS NOT A MEMBER OF THE DIGGERS HOTLINE MUST BE CONTACTED SEPARATELY

BERRY AVENUE WILL BE CLOSED DURING CONSTRUCTION AND NO DETOUR ROUTE WILL BE MARKED.

RUNOFF COEFFICIENT TABLE

		H)	/DROLOGIC SO	OIL GRO	UP								
		А			В			С		D			
	S	LOPE RA	NGE (%)	SL	SLOPE RANGE (%)		SL	SLOPE RANGE (%)			SLOPE RANGE (%)		
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	
ROW CROPS	.08	.16 .30	.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.33 .50	.19 .34	.28 .41	.38 .56	
MEDIAN STRIP- TURF	.19 .24	.20 .26	.24 .30	.19 .25	.22 .28	.26 .33	.20 .26	.23 .30	.30 .37	.20 .27	.25 .32	.30 .40	
SIDE SLOPE- TURF			.25 .32			.27 .34			.28 .36			.30 .38	
PAVEMENT:													
ASPHALT			.7095										
CONCRETE			.8095										
BRICK			.7080										
DRIVES, WALKS			.7585										
ROOFS			.7595										
GRAVEL ROADS, SI	HOULDEI	RS	.4060										

TOTAL PROJECT AREA = 0.5 ACRES

TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 0.04 ACRES

PROJECT NO: 9545-00-71 HWY: BERRY AVENUE COUNTY: TAYLOR GENERAL NOTES

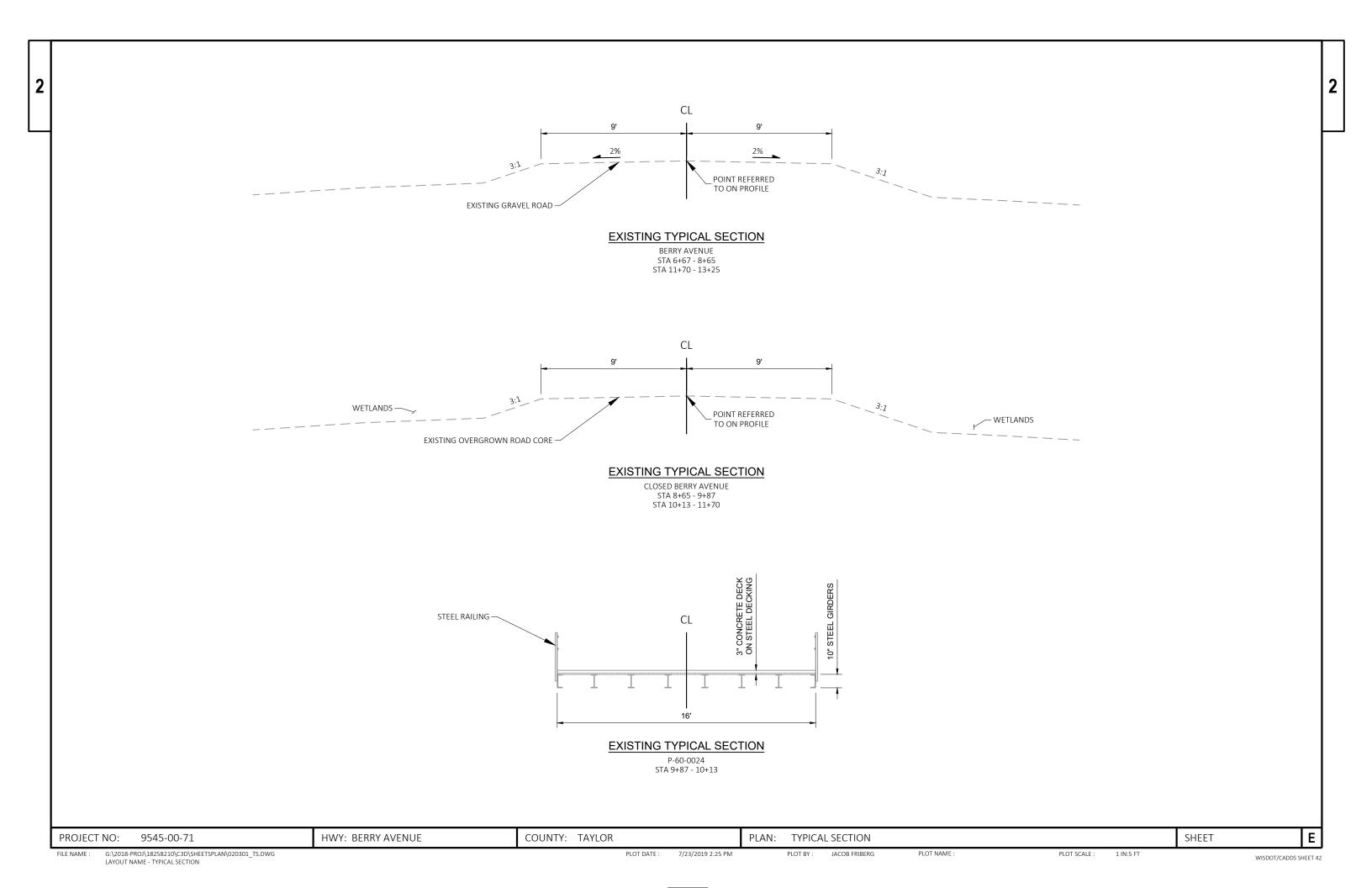
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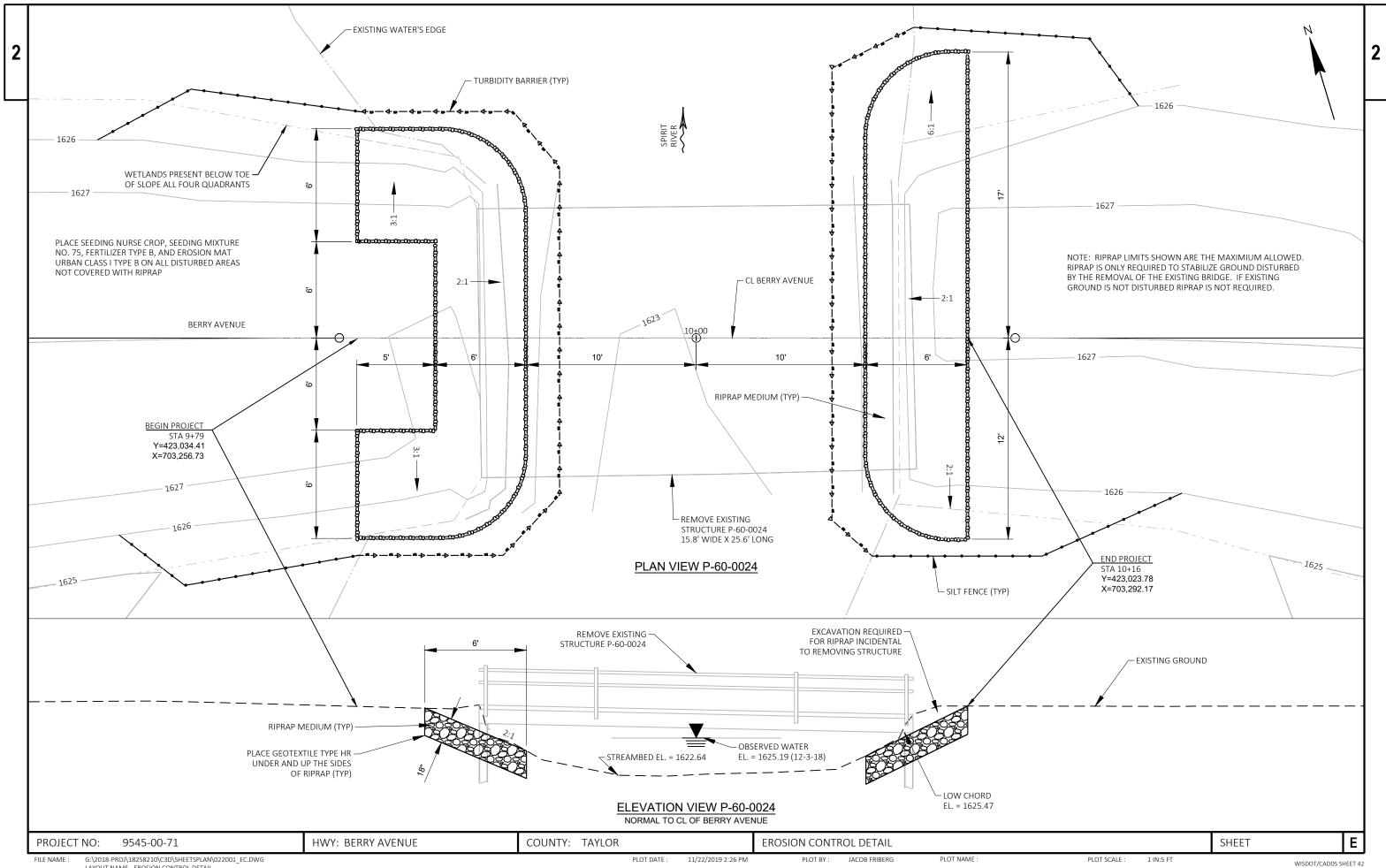
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FILE NAME: G\2018-PRO\18258210\C3D\Sheetsplan\002010 gn.DWG

G:\2018-PROJ\18258210\C3D\\SHEETSPLAN\020101_GN.DWG PLOT DATE: 7/23/2019 2:23 PM PLOT BY: JACOB FRIBERG PLOT NAME: PLOT SCALE: 1 IN:100 FT LAYOUT NAME - GENERAL NOTES





Page 1

645.0120 Geotextile Type HR

0052

					9545-00-71
Line	Item	Item Description	Unit	Total	Qty
0002	203.0600.S	Removing Old Structure Over Waterway With Minimal Debris (station) 01. 10+00	LS	1.000	1.000
0004	204.9060.S	Removing (item description) 01. Gate	EACH	2.000	2.000
0006	213.0100	Finishing Roadway (project) 01. 9545-00-71	EACH	1.000	1.000
8000	606.0200	Riprap Medium	CY	20.000	20.000
0010	618.0100	Maintenance And Repair of Haul Roads (project) 01. 9545-00-71	EACH	1.000	1.000
0012	619.1000	Mobilization	EACH	1.000	1.000
0014	625.0500	Salvaged Topsoil	SY	15.000	15.000
0016	628.1504	Silt Fence	LF	65.000	65.000
0018	628.1520	Silt Fence Maintenance	LF	65.000	65.000
0020	628.1905	Mobilizations Erosion Control	EACH	2.000	2.000
0022	628.1910	Mobilizations Emergency Erosion Control	EACH	1.000	1.000
0024	628.2008	Erosion Mat Urban Class I Type B	SY	100.000	100.000
0026	628.6005	Turbidity Barriers	SY	50.000	50.000
0028	629.0210	Fertilizer Type B	CWT	0.100	0.100
0030	630.0175	Seeding Mixture No. 75	LB	10.000	10.000
0032	630.0400	Seeding Nurse Crop	LB	10.000	10.000
0034	630.0500	Seed Water	MGAL	5.000	5.000
0036	634.0612	Posts Wood 4x6-Inch X 12-FT	EACH	6.000	6.000
0038	637.2220	Signs Type II Reflective SH	SF	13.500	13.500
0040	638.2602	Removing Signs Type II	EACH	2.000	2.000
0042	638.3000	Removing Small Sign Supports	EACH	2.000	2.000
0044	643.0420	Traffic Control Barricades Type III	DAY	60.000	60.000
0046	643.0705	Traffic Control Warning Lights Type A	DAY	80.000	80.000
0048	643.0900	Traffic Control Signs	DAY	20.000	20.000
0050	643.5000	Traffic Control	EACH	1.000	1.000

60.000

SY

60.000

POSTS SIGNS WOOD TYPE II REMOVING REMOVING REMOVING 4x6-INCH REFLECTIVE SIGNS SMALL SIGN x 12 FT TYPE II SUPPORTS GATE SH 638.2602 204.9060.s 634.0612 637.2220 638.3000 CATEGORY STATION SIDE REMARKS EA SF EA EA 0010 8+56 RT 0010 8+65 LT/RT 6.75 (3) W5-56 0010 9 + 20LT/RT 0010 10 + 45LT 1 10 + 550010 LT/RT 0010 11 + 70LT/RT 6.75 (3) W5-56 2 TOTAL 0010 2 6 13.5 2

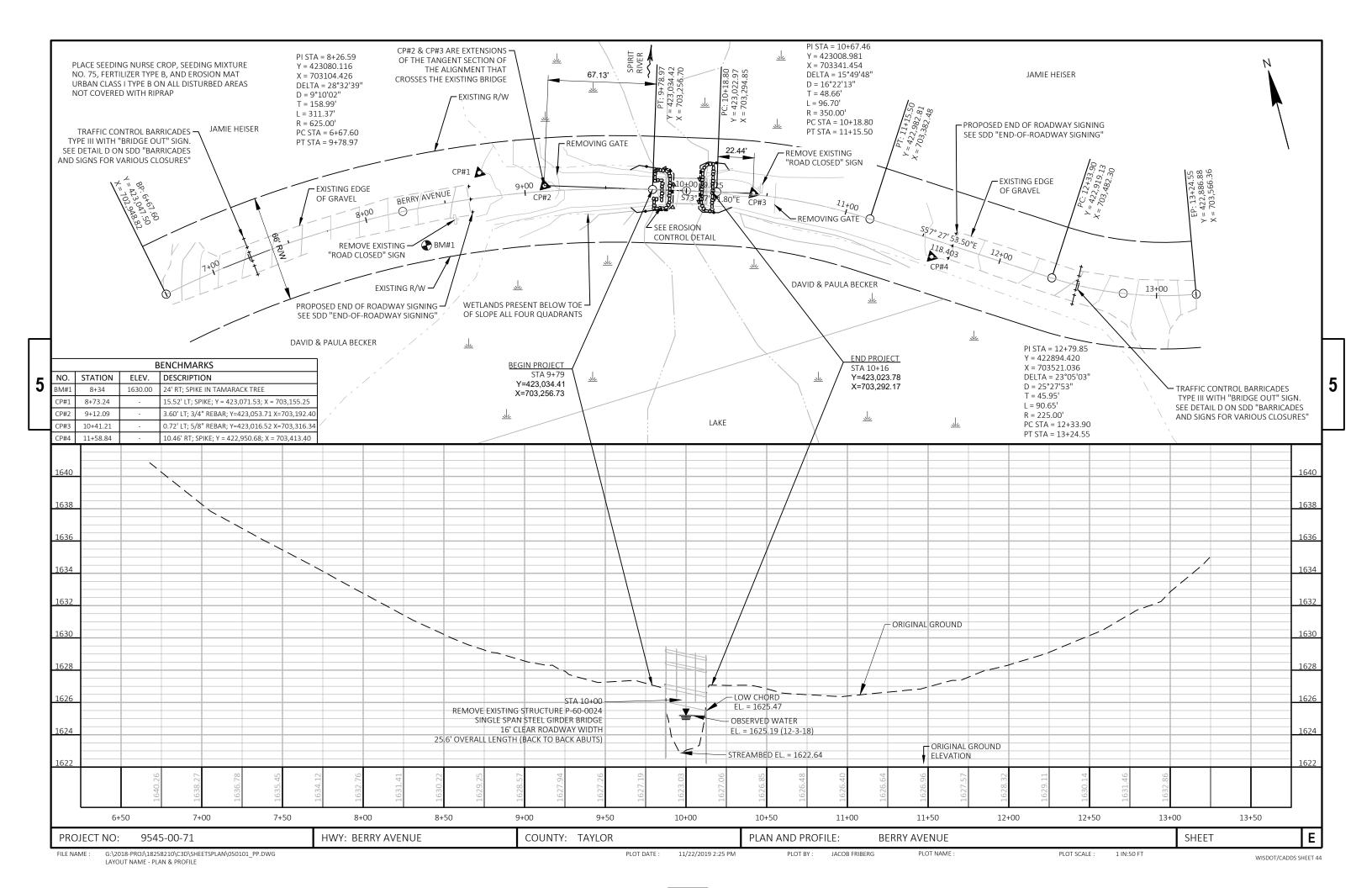
		RIPRAP	SILT	SILT FENCE	TURBIDITY	GEOTEXTILE	
	_	MEDIUM	FENCE	MAINTENANCE	BARRIER	TYPE HR	
		606.0200	628.1504	628.1520	628.6005	645.0120	
CATEGORY	LOCATION	CY	LF	LF	SY	SY	REMARKS
							,
0010	P-60-0024 WEST	10	30	30	30	30	
0010	P-60-0024 EAST	10	35	35	20	30	
	_						
	TOTAL 0010	20	65	65	50	60	

			EROSION MAT					
			URBAN		SEEDING	SEEDING		
		SALVAGED	CLASS I	FERTILIZER	MIXTURE	NURSE	SEED	
		TOPSOIL	TYPE B	TYPE B	NO. 75	CROP	WATER	
		625.0500	628.2008	629.0210	630.0175	630.0400	630.0500	
CATEGORY	LOCATION	SY	SY	CWT	LB	LB	MGAL	REMARKS
0010	UNDISTRIBUTED	15	100	0.1	10	10	5	
	TOTAL 0010	15	100	0.1	10	10	5	

		BARR	CONTROL CCADES III	WARNING	CONTROL LIGHTS E A	CO	AFFIC NTROL IGNS	_
		643	.0420	643.	0705	643	3.0900	
CATEGORY	DAYS	#	DAYS	#	DAYS	#	DAYS	REMARKS
0010 0010	10 10	3	30 30	4 4	40 40	1 1	10 10	BRIDGE OUT DETAIL D WEST SIDE BRIDGE OUT DETAIL D EAST SIDE
	TOTAL 0010		60		80		20	=

Ε PROJECT NO: 9545-00-71 HWY: BERRY AVENUE COUNTY: TAYLOR MISCELLANEOUS QUANTITIES SHEET

PLOT NAME :



Standard Detail Drawing List

08E09-06 08E11-02 15C02-07B 15C11-07B	SILT FENCE TURBIDITY BARRIER BARRICADES AND SIGNS FOR VARIOUS CLOSURES CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C26-04 15D38-02A 15D38-02B	END-OF-ROADWAY SIGNING TEMPORARY TRAFFIC CONTROL SIGN MOUNTING ATTACHMENT OF SIGNS TO POSTS

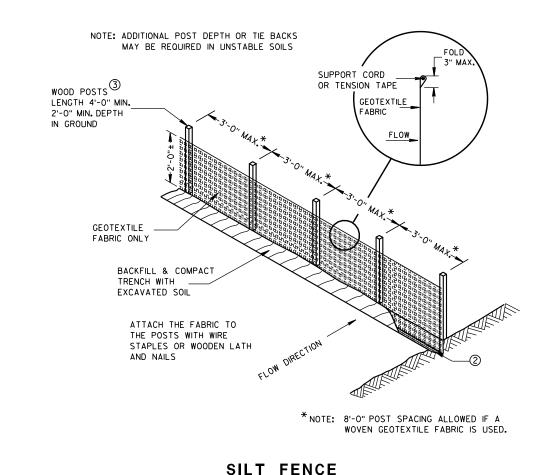
TYPICAL APPLICATION OF SILT FENCE

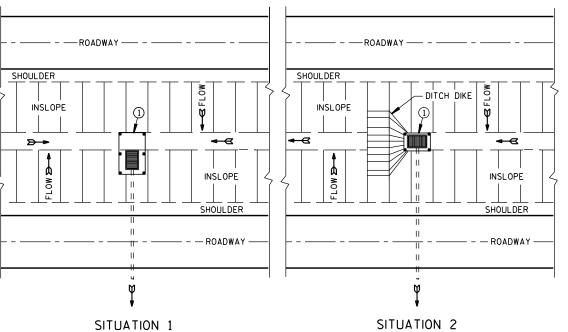
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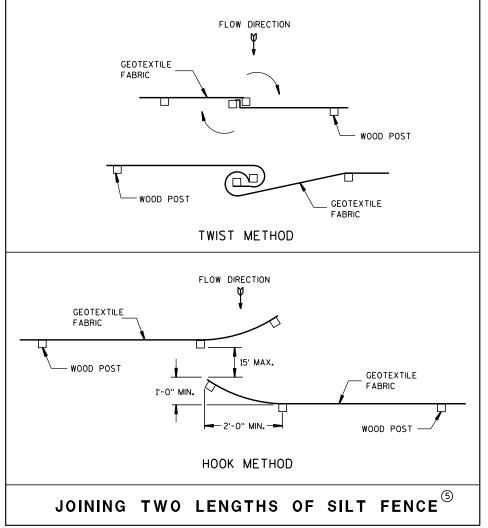
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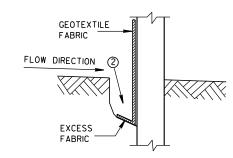
PLAN VIEW SILT FENCE AT MEDIAN SURFACE DRAINS



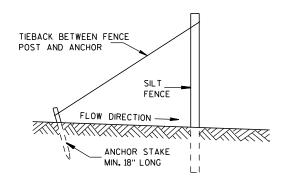
GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

- ① HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
- 2 FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
- 3 WOOD POSTS SHALL BE A MINIMUM SIZE OF 11/8" X 11/8" OF OAK OR HICKORY.
- 4) SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
- (5) CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.

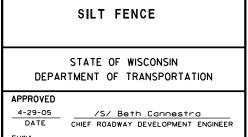


TRENCH DETAIL



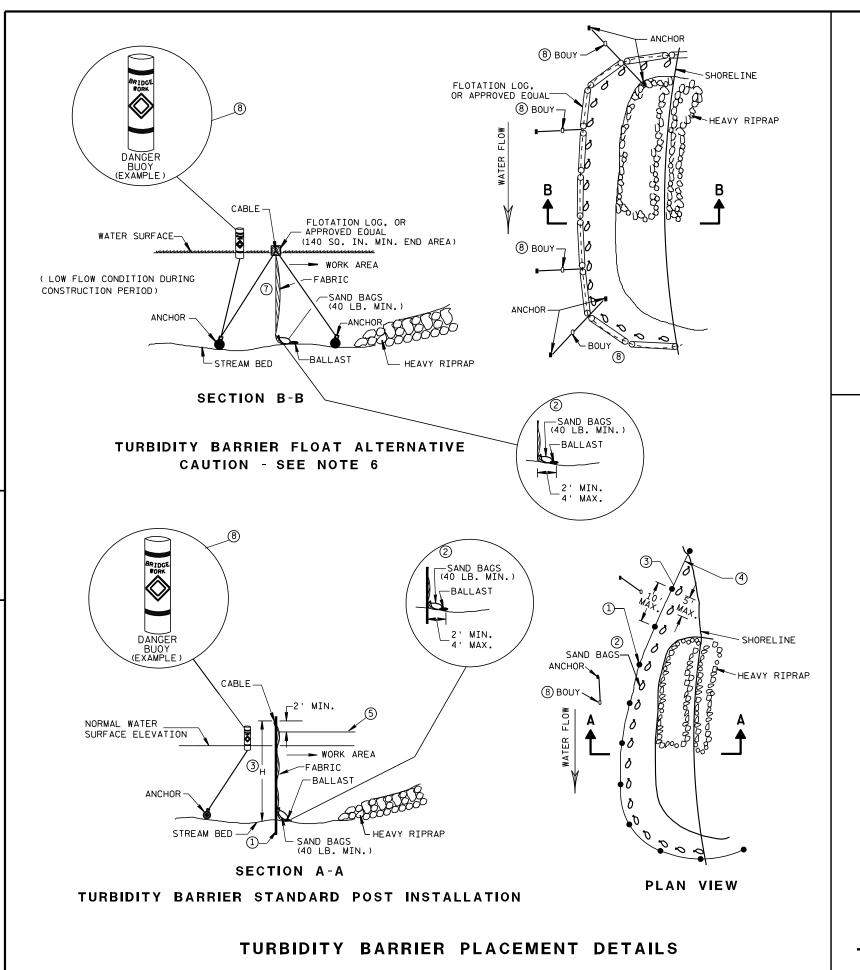
SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)



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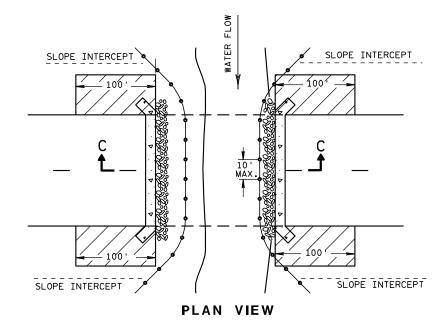
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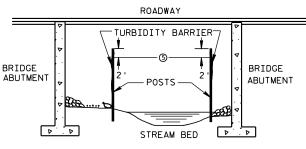
GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

TURBIDITY BARRIER MAY BE REMOVED AT THE ENGINEERS DISCRETION, WHEN PERMANENT EROSION CONTROL MEASURES HAVE BEEN ESTABLISHED.

- ① DRIVEN STEEL POSTS, PIPES, OR CHANNELS. LENGTH SHALL BE SUFFICIENT TO SECURELY SUPPORT BARRIER AT HIGH WATER ELEVATIONS.
- (2) SANDBAGS TO BE USED AS ADDITIONAL BALLAST WHEN ORDERED BY THE ENGINEER TO MEET ADVERSE FIELD CONDITIONS. SPACE AS APPROPRIATE FOR SITE CONDITIONS.
- (3) WHEN BARRIER HEIGHT, H, EXCEEDS 8 FT., POST SPACING MAY NEED TO BE DECREASED.
- (4) IN WATERWAYS SUBJECT TO FLUCTUATING WATER ELEVATIONS, PROVISIONS SHOULD BE MADE TO ALLOW THE WATER TO EQUALIZE ON EACH SIDE OF THE BARRIER. THIS MAY BE ACCOMPLISHED BY LEAVING A PORTION OF THE BARRIER OPEN ON THE UPSTREAM END.
- (5) ESTIMATED HIGH WATER ELEVATION DURING CONSTRUCTION PERIOD. MIMIMUM BARRIER HEIGHT SHALL BE 2'GREATER THAN EITHER THE 02 ELEVATION OR THE ESTIMATED HIGH WATER ELEVATION DURING CONSTRUCTION, WICHEVER IS GREATER.
- (6) FLOAT ALTERNATIVE WILL ONLY BE ALLOWED WITH WRITTEN APPROVAL OF THE ENGINEER, AND IS MEANT FOR LOCATIONS WHERE BED ROCK PREVENTS THE INSTALLATION OF POSTS.
- (7) ALLOW SUFFICIENT SLACK VERTICALLY AND HORIZONTALLY SO THAT SEDIMENT BUILD UP WILL NOT SEPARATE OR LOWER THE TURBIDITY BARRIER.
- (8) USE AS DIRECTED BY COAST GUARD OR DNR PERMIT WHEN WORKING IN NAVIGABLE WATERWAYS.





SECTION C-C

TURBIDITY BARRIER DETAIL SHOWING TYPICAL PLACEMENT AT STRUCTURES

TURBIDITY BARRIER

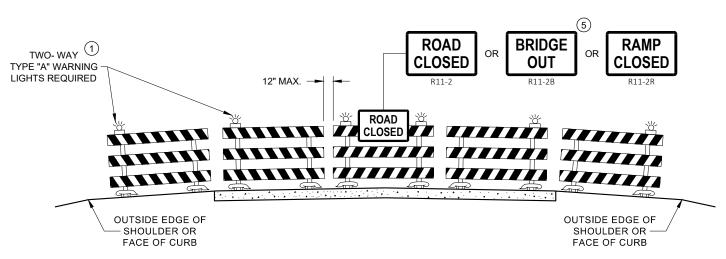
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

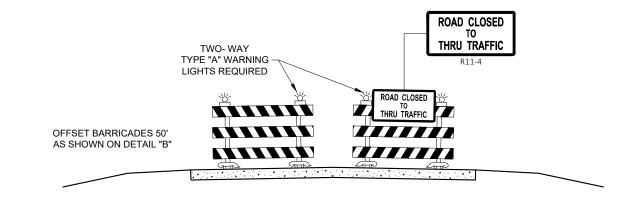
6/04/02 /S/ Beth Cannestra

CHIEF ROADWAY DEVELOPMENT ENGINEER

D.D. 8 E



DETAIL D ROAD CLOSURE BARRICADE DETAIL **APPROACH VIEW**



DETAIL E LANE CLOSURE BARRICADE DETAIL APPROACH VIEW

SEE SDD 15C2 - SHEET "a" FOR LEGEND

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE", SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW - INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11 - 2. R11 - 3. M4 - 9. R11 - 4. AND R10 - 61 SIGNS PLACED ON THE BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE RAIL OR BOTTOM RAILS.

"WO" AND "MO" SIGNS ARE THE SAME AS "W" AND "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:

R11 - 2 SHALL BE 48" X 30"

R11 - 3 SHALL, R11 - 4 AND R10 - 61 SHALL BE 60 " X 30"

M4 - 9 SHALL BE 30" X 24"

M3 - X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)

M4 - 8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)

M1 - 4, M1 - 5A AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)

MO5 - 1 AND MO6 - 1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)

D1 - X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

R1 - 1 SHALL BE 36" X 36"

- TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT **SPACING**
- THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT AN INTERSECTION.
- (3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "D".
- (4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "E".
- (5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11 - 2 AND R11 - 3 SIGNS.
- (6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS. PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE
- "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR **VARIOUS CLOSURES**

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

November 2018 DATE

WORK ZONE ENGINEER

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36" MIN.

36" MIN.

DRUM

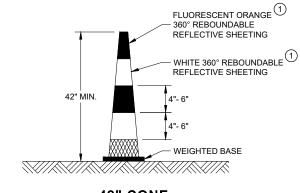
TYPE II BARRICADE

SDD 15C11

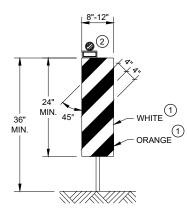
MAY BE USED. ALL STRIPES SHALL SLOPE DOWNWARD TO THE TRAFFIC SIDE FOR CHANNELIZATION.

GENERAL NOTES

- (1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
- (2) LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.



42" CONE DO NOT USE IN TAPERS ½ SPACING OF DRUMS



VERTICAL PANEL

THE STRIPES SHALL SLOPE DOWNWARD TO THE TRAFFIC SIDE FOR CHANNELIZATION.

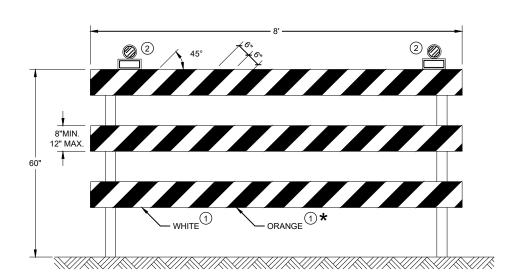
FLUORESCENT ORANGE

WHITE 360° REBOUNDABLE 1

- 360° REBOUNDABLE REFLECTIVE SHEETING

REFLECTIVE SHEETING

FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES



TYPE III BARRICADE

IF SIGN MOUNTED, DO NOT COVER MORE THAN 50% OF THE TOP TWO RAILS OR 33% OF THE TOTAL AREA OF THE THREE RAILS.

* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

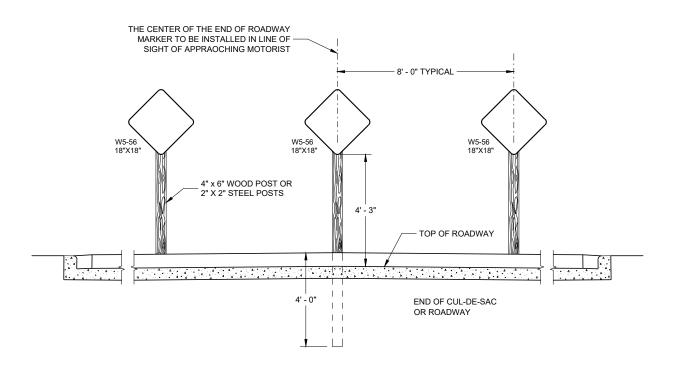
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED	
June 2017	/S/ Andrew Heidtke
DATE	WORK ZONE ENGINEER

07

SDD 15C

OF-ROADWAY SIGNS MAY BE INSTALLED AS FIELD CONDITIONS DICTATE. (SEE SIGNING PLAN). WHEN BEAMGUARD IS REQUIRED, PLACE END-OF-ROADWAY SIGNING BEHIND BEAMGUARD.



TYPICAL SIGN INSTALLATION

END-OF-ROADWAY SIGNING

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

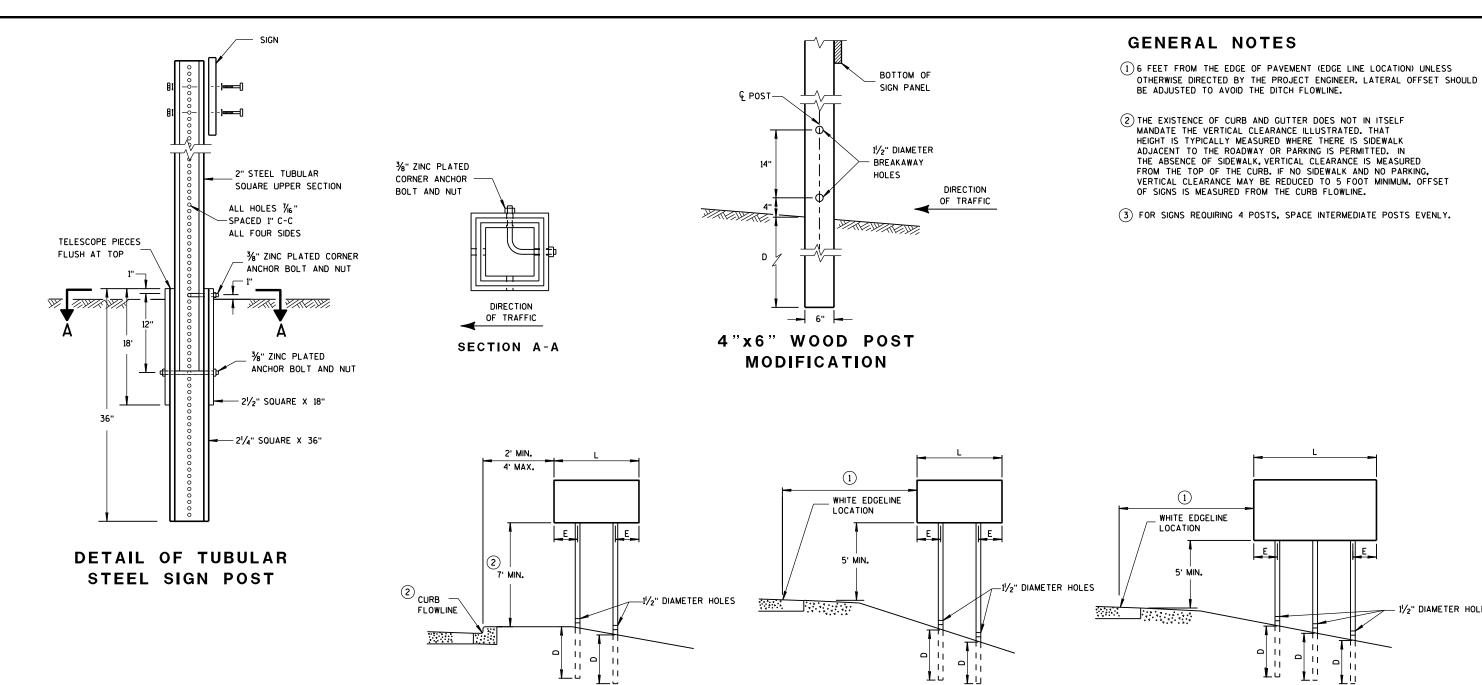
May 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MARKING
ENGINEER

C26

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SDD 15C26



TUBULAR STEEL POSTS

AREA OF SIGN INSTALLATION (SO. FT.)	NUMBER OF REQUIRED TUBULAR STEEL POSTS
9 OR LESS	1
GREATER THAN 9 LESS THAN OR EOUAL TO 18	2
GREATER THAN 18 LESS THAN OR EQUAL TO 27	3

SIGNS WIDER THAN 3 FEET OR LARGER THAN 9 SO.FT. SHALL BE MOUNTED ON MULTIPLE POSTS (SEE ABOVE TABLE). SIGNS LARGER THAN 27 SO.FT. SHALL NOT BE MOUNTED ON TUBULAR STEEL POSTS.

URBAN AREA

RURAL AREA

POST MOUNTING DETAIL FOR TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS

WOOD POST **EMBEDMENT DEPTH**

AREA OF SIGN INSTALLATION (SO. FT.)	D (MIN)
20 OR LESS	4'
GREATER THAN 20	5'

4" X 6" WOOD POST

POST SPACING REQUIREM	NUMBER OF		
L	E	WOOD POSTS REQUIRED	
48" OR LESS AND LESS THAN 20 SO.FT.	-	1	
LESS THAN 60"	12"	2	!
60" TO 120"	L/5	2	
GREATER THAN 120" LESS THAN 168"	12"	3	
168" AND GREATER	12"	4	

SEE NOTE (3)

TEMPORARY TRAFFIC CONTROL SIGN MOUNTING

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

-11

D 15 D ∞

6

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6

- 11/2" DIAMETER HOLES

Ω Ω

D

15

D

38-2b

NUTS, BOLTS AND LAGS USED FOR MOUNTING SIGNS SHALL HAVE HEXAGONAL HEADS AND SHALL BE EITHER:

- A. HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION: A 153, CLASS D. OR SC 3
- B. ELECTRO-GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION: B 633, TYPE III, SC 3

THREADS ON BOLTS AND NUTS SHALL BE MANUFACTURED WITH SUFFICIENT ALLOWANCE FOR THE CADMIUM PLATE OR GALVANIZED COATING TO PERMIT THE NUTS TO RUN FREELY ON THE BOLTS.

WOOD POSTS (4" x 4" or 4" x 6")

LAG SCREWS - 3/8" X 3"

MACHINE BOLTS - 1/6" X 6-1/2" OR 7" LENGTH W/ NUTS

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" LENGTH W/ NUTS

RIVETS - $\frac{9}{32}$ " (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL

1-1/4" O.D. X 3/8" I.D. X .080 NYLON FOR ALL TYPE H SIGNS

* TWO DIFFERENT FASTENING SYSTEMS ARE SHOWN FOR ILLUSTRATION PURPOSES. ON ANY INDIVIDUAL SIGN, EITHER ONE OR THE OTHER SYSTEM SHALL BE USED. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA. FOR A SINGLE POST INSTALLATION, ALL SIGNS GREATER THAN 9 SO. FT. REQUIRE THE USE OF 3 FASTENERS.

ATTACHMENT OF SIGNS TO POSTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

June 2017
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER
FHWA

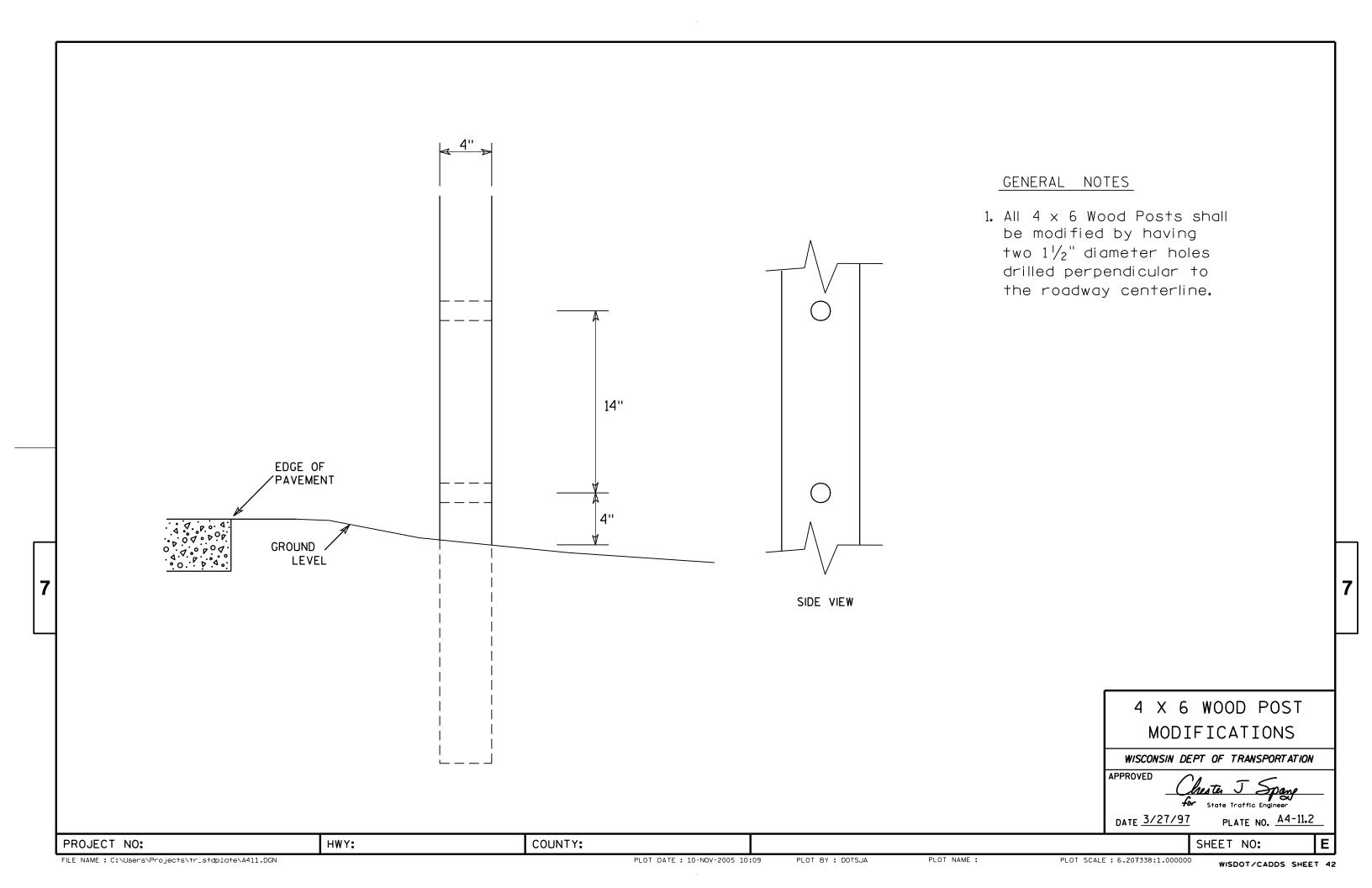
S.D.D. 15

2 b

18

က

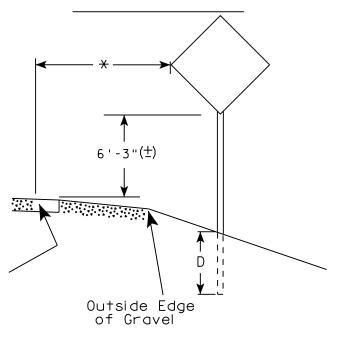
6



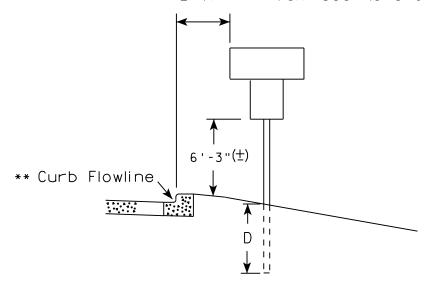
URBAN AREA

2' Min - 4' Max (See Note 6) 7'-3"(±) ** Curb Flowline. White Edgeline Location

RURAL AREA (See Note 2)



2' Min - 4' Max (See Note 6)



5'-3"(生) White Edgeline D' Location Outside Edge of Gravel

POST EMBEDMENT DEPTH

GENERAL NOTES

3. For expressways and freeways, mounting height is 7'- 3" (±) or

A4-10 sign plate.

of a sub-sign.

for mounting height.

height is 3 inches.

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on

multiple posts. Refer to plate A4-4.

6'-3" (±) depending upon existence

5. Minimum mounting height for signs

6. Offset distance shall be consistent

with existing signs or consistent throughout length of project.

9. The Double Arrow sign (W12-1) shall be

7. The (+) tolerance for mounting

2. If signs are mounted on barrier wall, see

4. J-Assemblies are considered to be one sign

8. Folding signs shall be mounted at a height

of 5'-3'' (\pm) or as directd by the Engineer.

shall be mounted at a height of 4'-3'' (\pm).

mounted at a height of 2'-3" (\pm) . The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B),

Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56)

mounted on traffic signal poles is $5' - 3'' (\pm)$.

Area of Sign	
Installation	D
(Sq.Ft.)	(Min)
20 or Less	4'
Greater than 20	5'

** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

HWY:

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS WISCONSIN DEPT OF TRANSPORTATION

Matthew R Rayes

DATE 8/21/17 PLATE NO. <u>A4-3.21</u>

COUNTY:

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A43.DGN

PROJECT NO:

PLOT DATE: 21-AUG-2017 16:04

PLOT BY: \$\$...plotuser...\$\$ PLOT NAME:

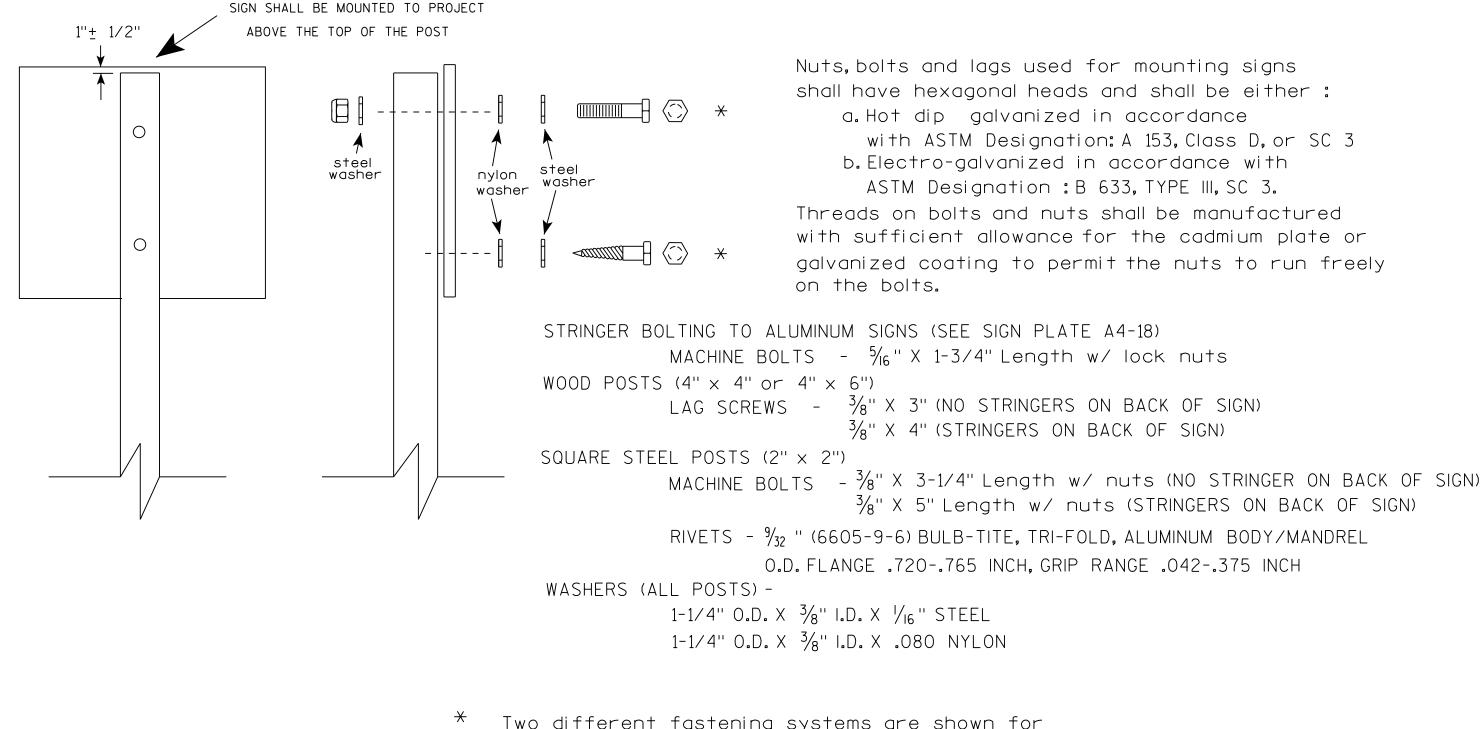
PLOT SCALE: 100.601251:1.000000

WISDOT/CADDS SHEET 42

SHEET NO:

APPROVED

For State Traffic Engineer



Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS
TO POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Raw
For State Traffic Engineer

DATE <u>8/11/16</u>

PLATE NO. <u>44-8.8</u>

PROJECT NO:

FILE NAME : C:\CAFfiles\Projects\tr strolgte\A48 DCN

PLOT DATE . 11-416-2016 11:35

PINT RY * \$\$ nintuser \$\$

SHEET NO:

LI NO:

NOTES

- 1. Sign is Type II Type H Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - White Message - Black

- 3. Message Series D
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

C —	<u> </u>
	G
R11-2B	

SIZE	A	В	С	D	E	F	G	Н	I	J	K	L	M	N	0	Р	0	R	S	T	U	V	W	X	Y	Z	Areo sq. ft.
1																											
25	48	30	1 3/8	1/2	5/8	8	5	4	19 ¾	9 ¾	9 %																10.0
2M	48	30	1 3/8	1/2	5/8	8	5	4	19 ¾	9 ¾	9 %																10.0
3	48	30	1 3/8	1/2	5/8	8	5	4	19 ¾	9 ¾	9 %																10.0
4	48	30	1 3/8	1/2	5/8	8	5	4	19 ¾	9 ¾	9 %																10.0
5	48	30	1 3/8	1/2	5/8	8	5	4	19 ¾	9 ¾	9 %																10.0

STANDARD SIGN R11-2B

WISCONSIN DEPT OF TRANSPORTATION

Matthew R Rauch

DATE 4/1/11 PLATE NO. R11-2B-2

SHEET NO:

PROJECT NO:

NOTES

- Sign is Type II Type SH Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - Red

3. Corners may be square or rounded when base material is plywood. When base material is metal the corners shall be rounded.

I	A
V	/5-56

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	M	N	0	Р	0	R	S	Т	U	٧	W	X	Y	Z	Areo sq. ft.
1	12								1																		1.0
2S	18								1 1/2																		2.25
2M	18								1 1/2																		2.25
3																											
4																											
5																											
PPA	PROJECT NO: HWY:									COU	UTV•																

STANDARD SIGN W5-56

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matther R Rauch

For State Traffic Engineer
DATE 11/2/10 PLATE NO. W5

DATE 11/2/10 PLATE NO. W5-56.6

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W556.DGN

PLOT DATE: 03-NOV-2010 09:53

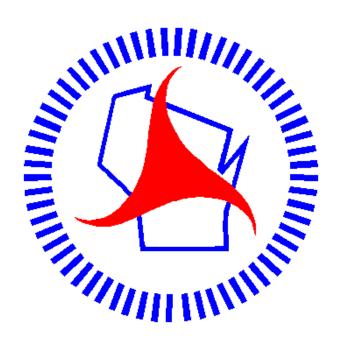
PLOT NAME :

PLOT BY : ditjph

PLOT SCALE: 4.965868:1.000000

WISDOT/CADDS SHEET 42

Notes



Wisconsin Department of Transportation

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http://www.dot.wisconsin.gov